

Title (en)

BALL JOINT AND BEARING SEAT FOR THE BALL JOINT

Title (de)

KUGELGELENK UND LAGERSITZ FÜR DAS KUGELGELENK

Title (fr)

JOINT A ROTULE ET SIEGE DE SUPPORT POUR JOINT A ROTULE

Publication

EP 1701048 A4 20090617 (EN)

Application

EP 04820873 A 20041116

Priority

- JP 2004016980 W 20041116
- JP 2003431213 A 20031225

Abstract (en)

[origin: EP1701048A1] A bearing seat of a ball joint improved in lubricity is provided. By opening a plurality of dimples 51 that are opened on a spherical sliding surface 46 that rotatably holds an approximately globular ball portion 31 of a ball stud and house a grease 61, the dimples 51 can be provided in a balanced manner in proximity to each other, therefore, the grease 61 spreads out between the respective dimples 51 even when sway of the ball portion 31 is relatively small, and lubricity can be improved.

IPC 8 full level

F16C 11/06 (2006.01)

CPC (source: EP US)

F16C 11/0638 (2013.01 - EP US); **F16C 11/068** (2013.01 - EP US); **Y10T 403/32721** (2015.01 - EP US); **Y10T 403/32737** (2015.01 - EP US)

Citation (search report)

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- [X] DE 10250147 A1 20030515 - MUSASHI SEIMITSU KOGYO KK [JP]
- [X] FR 2170608 A5 19730914 - TOKAI TRW & CO [JP]
- See references of WO 2005064172A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1701048 A1 20060913; **EP 1701048 A4 20090617**; CN 100436845 C 20081126; CN 1886599 A 20061227; JP 2005188645 A 20050714; JP 4347682 B2 20091021; US 2007140784 A1 20070621; US 7588384 B2 20090915; WO 2005064172 A1 20050714

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EP 04820873 A 20041116; CN 200480034935 A 20041116; JP 2003431213 A 20031225; JP 2004016980 W 20041116; US 59624504 A 20041116